

# Summer Math Packet for Rising 7<sup>th</sup> Graders Going to Math II

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Name: \_\_\_\_\_

Dear Parents,

This summer Math packet is designed to review basic math skills needed to be successful in Math II. As this packet covers basic skills, students should not use calculators. Please sign below to indicate that your child did not use a calculator of any sort (iPad, computer, etc...). Please encourage your child to do their very best on this packet as it will be counted as a grade. It is due on the first day of school.

My student \_\_\_\_\_ did not use a calculator on this packet.

Parent signature: \_\_\_\_\_

<b>Integer Rules</b>	
<p style="text-align: center;"><b><u>Adding</u></b></p> <p style="text-align: center;">Same Signs Add and Keep the Sign</p> <p style="text-align: center;"><math>13 + 35 = 48</math> <math>-5 + -23 = -28</math></p>	<p style="text-align: center;"><b><u>Subtract</u></b></p> <p style="text-align: center;">Copy, Change, Opposite Then add</p> <p style="text-align: center;"><math>-65 - 24 =</math> <math>-65 + -24 = -89</math></p>
<p style="text-align: center;"><b><u>Adding</u></b></p> <p style="text-align: center;">Different Signs Subtract and Take Sign of Number with Larger Abs. Value</p> <p style="text-align: center;"><math>-13 + 35 = 22</math></p>	<p style="text-align: center;"><b><u>Multiply &amp; Divide</u></b></p> <p style="text-align: center;">Same Signs Positive Answer  Different Signs Negative Answer</p>

## ORDER OF OPERATIONS

- (P)     Parenthesis
- E<sup>x</sup>    Exponents
- M/D    Multiply or Divide  
          \*from left to right in the problem
- A/S    Add or Subtract  
          \*from left to right  
          \*of course

Name: \_\_\_\_\_

Score: \_\_\_\_\_

## Order of Operations

Solve.

1)  $6 + 42 \div 2 - 15$

Ans =

2)  $36 - 10 \times 2 \div 5 - 11$

Ans =

3)  $25 \times 2 - 42 \div 6 + 18$

Ans =

4)  $3 + 32 \div 8 - 9$

Ans =

5)  $8 + 9 - 2 \times 3$

Ans =

6)  $4 - 6 \times 2 \div 2 + 2$

Ans =

7)  $12 \div 2 \times 6 + 4 - 3$

Ans =

8)  $63 \div 7 \times 3 - 4$

Ans =

9)  $4 + 8 - 5 \times 6$

Ans =

10)  $5 + 36 \div 2 \times 3 - 4$

Ans =

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Simplify the Integers**

$(+4) + (-7) =$	$(-8) \div (+2) =$	$(-9) - (-9) =$
$(-3) - (+6) =$	$(+6) + (-9) =$	$(-7) + (+2) =$
$(-1) \times (+9) =$	$(-8) \times (-6) =$	$(+4) \div (-2) =$
$(+5) \div (-5) =$	$(+4) - (-1) =$	$(-6) \times (+2) =$
$(-8) + (-6) =$	$(+6) \div (+3) =$	$(+8) + (-6) =$
$(+9) - (+9) =$	$(-5) + (-9) =$	$(-9) \div (+3) =$
$(-6) \div (+3) =$	$(+4) \times (-8) =$	$(+3) - (+9) =$
$(+3) + (+1) =$	$(-7) - (+2) =$	$(-1) \times (+6) =$
$(-8) \times (-7) =$	$(+9) \div (-1) =$	$(+5) + (+4) =$
$(-4) - (+2) =$	$(-5) + (+8) =$	$(-7) - (+7) =$

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**One-Step Equations – Integers**

Solve the one-step equations:

$$h - 15 = -22$$

$$21k = -105$$

$$\frac{g}{-12} = 11$$

$$s + 9 = 25$$

$$c - 17 = 19$$

$$\frac{b}{-6} = -15$$

$$n + 12 = -24$$

$$-16h = 112$$